

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jun Koyama et al. Art Unit : 2629
 Serial No. : 09/923,433 Examiner : Kent Chang
 Filed : August 8, 2001 Conf. No. : 9952
 Title : LIQUID CRYSTAL DISPLAY DEVICE, METHOD OF DRIVING THE SAME,
 AND METHOD OF DRIVING A PORTABLE INFORMATION DEVICE
 HAVING THE LIQUID CRYSTAL DISPLAY DEVICE

MAIL STOP AF

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

Submitted herewith is an English translation of the following foreign language references, or portions thereof:

| Desig. ID | Source |
|------------------|---|
| AQ | Japan 06-011734 – English Abstract: esp@cenet.com and family to U.S. Patent No. 5,515,187 (Desig. ID “AC”) and European Patent Application No. EP 0 566 408 (Desig. ID “AN”). |
| AR | Japan 09-243996 – English Abstract: esp@cenet.com . |
| AS | Japan 09-258168 – English Abstract: esp@cenet.com and family to U.S. Patent No. 6,115,017 (Desig. ID “AE”), U.S. Patent Application Publication No. 2005-0078073 (Desig. ID “AA”) and European Patent Application No. EP 0 797 182 (Desig. ID “AO”). |
| AT | Japan 10-068931 – English Abstract: esp@cenet.com and family to U.S. Patent No. 6,335,778 (Desig. ID “AG”). |
| AU | Japan 10-228012 – English Abstract: esp@cenet.com . |
| AV | Japan 10-503032 – English Abstract: esp@cenet.com and family to U.S. Patent No. 5,483,366 (Desig. ID “AB”), U.S. Patent No. 6,078,364 (Desig. ID “AD”) and PCT Application No. WO98-002866 (Desig. ID “AZ”). |
| AW | Japan 11-085111 – English Abstract: esp@cenet.com and family to U.S. Patent No. 6,256,024 (Desig. ID “AF”). |

| Desig. ID | Source |
|-----------|---|
| AX | Japan 11-218781 – English Abstract: esp@cenet.com and family to U.S. Patent No. 6,433,767 (Desig. ID “AH”), U.S. Patent No. 6,433,841 (Desig. ID “AI”), U.S. Patent No. 6,611,301 (Desig. ID “AJ”), U.S. Patent No. 6,703,997 (Desig. ID “AL”) and U.S. Patent No. 6,897,932 (Desig. ID “AM”). |
| AY | Japan 2001-281635 – English Abstract: esp@cenet.com and family to U.S. Patent No. 6,621,477 (Desig. ID “AK”) and European Patent No. 1 139 327 (Desig. ID “AP”). |

This statement is being filed after issuance of a Notice of Allowance, but before payment of the issue fee. Each item of information in this statement, with the exception of references “AA” to “AP” and “AZ”, (i) was cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated January 23, 2007, which is not more than three months prior to the filing of this statement, and (ii) was not first cited in any communication from a foreign patent office in a counterpart application which was more than three months prior to the filing date of this statement. References “AA” to “AP” and “AZ” are English-language documents corresponding to references “AQ”, “AS”, “AT” and “AV” to “AY” as set forth above, and are cited in accordance with MPEP 609(III)(B)(5).

Payment of the \$180 late submission fee of §1.17(p) is being made concurrently with this submission through the Electronic Filing System. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 2/9/07


John F. Hayden
Reg. No. 37,640

Customer No. 26171
Fish & Richardson P.C.
1425 K Street, N.W. - 11th Floor
Washington, DC 20005-3500
Telephone: (202) 783-5070
Facsimile: (202) 783-2331
/adt
40395947.doc

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-064001 | Application No. 09/923,433 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Jun Koyama et al. | |
| | | Filing Date August 8, 2001 | Group Art Unit 2629 |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | 2005-0078073 | 04/14/2005 | MIKAMI et al. | | | 12/03/2004 |
| | AB | 5,483,366 | 01/09/1996 | ATHERTON | | | 07/20/1994 |
| | AC | 5,515,187 | 05/07/1996 | NAKAMURA et al. | | | 04/14/1993 |
| | AD | 6,078,364 | 06/20/2000 | ATHERTON | | | 06/07/1995 |
| | AE | 6,115,017 | 09/05/2000 | MIKAMI et al. | | | 03/19/1997 |
| | AF | 6,256,024 | 07/03/2001 | MAEKAWA | | | 09/02/1998 |
| | AG | 6,335,778 | 01/01/2002 | KUBOTA et al. | | | 07/28/1997 |
| | AH | 6,433,767 | 08/13/2002 | MURADE | | | 02/01/1999 |
| | AI | 6,433,841 | 08/13/2002 | MURADE et al. | | | 12/21/1998 |
| | AJ | 6,611,301 | 08/26/2003 | MURADE et al. | | | 05/24/2002 |
| | AK | 6,621,477 | 09/16/2003 | INOUE et al. | | | 11/09/2000 |
| | AL | 6,703,997 | 03/09/2004 | MURADE | | | 06/26/2002 |
| | AM | 6,897,932 | 05/24/2005 | MURADE et al. | | | 03/24/2003 |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|-----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
| | | | | | | | Yes | No |
| | AN | EP0 566 408 | 10/20/1993 | EUROPE | | | In English | |
| | AO | EP0 797 182 | 09/24/1997 | EUROPE | | | In English | |
| | AP | EP1 139 327 | 10/04/2001 | EUROPE | | | In English | |
| | AQ | JP06-011734 | 01/21/1994 | JAPAN | | | Abstract | |
| | AR | JP09-243996 | 09/19/1997 | JAPAN | | | Abstract | |
| | AS | JP09-258168 | 10/03/1997 | JAPAN | | | Abstract | |
| | AT | JP10-068931 | 03/10/1998 | JAPAN | | | Abstract | |
| | AU | JP10-228012 | 08/25/1998 | JAPAN | | | Abstract | |
| | AV | JP10-503032 | 03/17/1998 | JAPAN | | | Abstract | |
| | AW | JP11-085111 | 03/30/1999 | JAPAN | | | Abstract | |
| | AX | JP11-218781 | 08/10/1999 | JAPAN | | | Abstract | |

| | |
|--|-----------------|
| Examiner Signature | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-064001 | Application No. 09/923,433 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Jun Koyama et al. | |
| | | Filing Date August 8, 2001 | Group Art Unit 2629 |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|-----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
| | | | | | | | Yes | No |
| | AY | JP2001-281635 | 10/10/2001 | JAPAN | | | Abstract | |
| | AZ | WO96-002866 | 02/01/1996 | WIPO / PCT | | | In English | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|----------|
| Examiner Initial | Desig. ID | Document |
| | BA | |
| | BB | |
| | BC | |

| | |
|--|-----------------|
| Examiner Signature | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |